

LIVESTOCK COSTS AND RETURNS

from

FARM COST ACCOUNTS

42 FARMS - 1965

C. D. Kearl and Darwin P. Snyder

Department of Agricultural Economics
Cornell University Agricultural Experiment Station
New York State College of Agriculture
A Contract College of the State University
Cornell University, Ithaca, New York

REPORTS
from
FARM COST ACCOUNTS
42 Farms, 1965

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LIVESTOCK COSTS AND RETURNS, A.E. Res. 213

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INTRODUCTION

For the Cost Account year 1965 there were 42 New York State farmers who completed detailed records on their businesses in cooperation with the Department of Agricultural Economics, Cornell University. The farms are located in most of the farming areas of the state. They are generally well-run, full-time, commercial farm businesses. They are representative of the "better" farmers of New York.

This report presents the results for individual enterprises and the averages of the costs and returns for all farms. It thus shows not only the averages of costs and returns but also indications of the variations and reasons for them. The factors for individual enterprises are arranged according to size of enterprise. The averages of the costs are not averages of average costs but are weighted by the size of the enterprise.

The project was under the supervision of C. D. Kearl. The field work on these accounts was done by Darwin Snyder and C. D. Kearl. The closing of the books and the preparation of this report on results of the operation of the farms was done by the Cost Account staff consisting of Marjorie Evans, Oneta Shipe, Edith Slights, Edna Wheeler, Helen Kruth, Abbie Leonard, Mildred Kubota and Margaret Auble.

ECONOMIC CONDITIONS

New York farm prices and prices paid by farmers for articles they buy, as indicated by U.S. indexes, were fairly stable during 1965 but were both about two percent above the 1964 level. The index of the former was 99 and the latter 110 on a 1957-59 bases. This indicates that, if farmers were to have a level of net income in 1965 that was comparable with that of the base period, they had to adjust their business operations to offset the adverse cost-price relationship.

In the early months of 1966 farm prices advanced rapidly. Prices of articles farmers buy advanced too, but at a slower rate. This would indicate that 1966 might well be a favorable year for farmers.

Hourly wages of workers in manufacturing industries continued to climb at a rate of about three percent per year. This, of course, is in contrast to the situation for farmers' net incomes and points up the pressures that farmers have been under as they have struggled to maintain a relative standard of living.

Economic Indexes (1957-59 = 100)

| Year | New York farm prices | United States | |
|-------|----------------------------|--------------------------------------|--|
| | | Prices of articles farmers buy | Hourly earnings in manufacturing industries |
| 1958 | 101 | 100 | 100 |
| 1959 | 100 | 102 | 104 |
| 1960 | 98 | 103 | 107 |
| 1961 | 95 | 104 | 110 |
| 1962 | 95 | 106 | 113 |
| 1963 | 95 | 106 | 115 |
| 1964 | 97 | 107 | 118 |
| 1965 | 99 | 110 | 121 |
| Jan. | 101 | 108 | 120 |
| Feb. | 101 | 109 | 120 |
| March | 98 | 109 | 120 |
| April | 100 | 109 | 120 |
| May | 99 | 110 | 121 |
| June | 98 | 110 | 121 |
| July | 95 | 110 | 121 |
| Aug. | 95 | 110 | 121 |
| Sept. | 96 | 110 | 122 |
| Oct. | 100 | 110 | 122 |
| Nov. | 100 | 110 | 122 |
| Dec. | 101 | 111 | 123 |
| 1966 | | | |
| Jan. | 103 | 112 | 123 |
| Feb. | 108 | 112 | 123 |
| March | 108 | 113 | 124 |
| April | 110 | 114 | 124 |

WEATHER CONDITIONS AT EIGHT NEW YORK STATIONS, 1965*

| Station | Length growing season** | May 1 - Sept. 30 | | Annual total precipitation |
|--------------|----------------------------|------------------------|---------------|-------------------------------|
| | | Average temperature | Precipitation | |
| | days | degrees | inches | inches |
| Aurora | 155 | 64.2 | 8.9 | 22.5 |
| Batavia | 152 | 64.5 | 11.6 | 29.4 |
| Brockport | 106 | 64.2 | 9.5 | 25.6 |
| Canton | 115 | 61.6 | 12.7 | 28.6 |
| Fredonia | 151 | 65.2 | 14.1 | 38.3 |
| Norwich | 87 | 61.0 | 15.9 | 34.5 |
| Poughkeepsie | 163 | 69.5 | 14.0 | 32.0 |
| Salem | 90 | 64.5 | 14.9 | 31.8 |

*Weather Bureau, U.S. Department of Commerce, Annual Summary, 1965

**Number of days between last and first frost

Generally, the growing season in New York State was shorter than usual. However, in the central plains region it approached normal. After three dry years some areas still had dry weather. This was particularly true during May, June and July and seriously affected the yields of crops planted in the spring and dependent on good moisture during the spring months. In the latter part of the summer the rains came and helped but, although they replaced lost ground water, they were too late to enable farmers to get good crop yields. Overall, the precipitation was below normal but was considerably better than in 1964. The temperature during the growing season was below normal which probably made the dry weather more bearable and enabled the crops to use more effectively what water there was.

YIELDS FOR CROPS AND LIVESTOCK

| Item | Unit | New York State* | | | Cost Account 1965 |
|-------------|------|-----------------|---------|-------|-------------------------|
| | | 1936-40 | 1946-55 | 1965 | |
| Hay | tons | 1.3 | 1.7 | 1.7 | 2.1 |
| Corn silage | tons | 9 | 10 | 12 | 12 |
| Corn grain | bu. | 34 | 44 | 57 | 45 |
| Wheat | bu. | 24 | 31 | 36 | 45 |
| Oats | bu. | 30 | 38 | 47 | 60 |
| Cows | lbs. | 5,628 | 6,588 | 9,300 | 13,008 |
| Hens | eggs | 154 | 188 | 218 | 208 |

*AMS Reports and unpublished tabulations

For some New York farmers this was the fourth dry year in a row and generally, across the state, crop yields were only fair. However, the moisture conditions as noted above were "spotty" and some farmers had good crops. The spring planted crops suffered in many cases while the winter crops such as wheat were not seriously affected by the lack of rainfall.

SUMMARY, 1965
Crop Enterprises

| Crop | Number of accounts | Average acres per enter- prise | Average yield per acre | Hours of labor per acre | Return per hour of labor | Return per dollar of cost | Profit per acre | Profit on enter- prise |
|------------------------|--------------------------|--|---------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|-----------------------|---------------------------------|
| <u>Fruit:</u> | | | | | | | | |
| Apples | 15 | 67.0 | 429 bu. | 105 | \$2.26 | \$1.11 | \$ 48 | \$3,230 |
| Sweet cherries | 6 | 10.4 | 4,274 lbs. | 136 | 2.47 | 1.36 | 127 | 1,320 |
| Sour cherries | 8 | 30.3 | 8,057 lbs. | 147 | 1.68 | 1.05 | 20 | 616 |
| Peaches | 5 | 14.8 | 93 bu. | 123 | 1.05 | 0.85 | -70 | -1,029 |
| Grapes | 5 | 25.9 | 3.9 tons | 126 | 2.16 | 1.08 | 36 | 928 |
| <u>Grain:</u> | | | | | | | | |
| Wheat | 15 | 78.0 | 45 bu. | 4 | 5.89 | 1.24 | 16 | 1,280 |
| Corn for grain | 8 | 110.9 | 45 bu. | 5 | -3.79 | 0.66 | -30 | -3,328 |
| Oats | 6 | 29.4 | 60 bu. | 5 | -1.67 | 0.79 | -16 | -462 |
| Rye | 5 | 9.8 | 39 bu. | 7 | 1.61 | 0.99 | -1 | -6 |
| <u>Hay and Silage:</u> | | | | | | | | |
| Hay | 24 | 94.1 | 2.1 tons | 5 | 2.78 | 1.08 | 5 | 436 |
| Hay crop silage | 8 | 44.7 | 5.8 tons | 5 | 4.31 | 1.16 | 13 | 565 |
| Corn silage | 27 | 76.3 | 12 tons | 7 | 1.31 | 0.97 | -3 | -264 |

Livestock Enterprises

| Enterprise | Number of accounts | Average number of head per farm | Production per head | Hours of labor per head | Return per hour of labor | Return per dollar of cost | Profit on enter- prise |
|------------|--------------------------|--|------------------------|-------------------------------|--------------------------------|---------------------------------|---------------------------------|
| Dairy cows | 25 | 84 | 13,088 lbs. | 63 | \$1.85 | \$1.01 | \$ 316 |
| Hens | 5 | 15,453 | 208 eggs | 0.4 | 2.56 | 1.04 | 3,808 |

SUMMARY, 1965

| | Return per hour of labor | | | | | Return per dollar of cost | | | |
|------------------------|--------------------------|-------|-------|-------|-------|---------------------------|------|------|------|
| | 1949 to 1953 | 1962 | 1963 | 1964 | 1965 | 1962 | 1963 | 1964 | 1965 |
| Farm enterprise | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| <u>Livestock:</u> | | | | | | | | | |
| Dairy cows | 1.41 | 1.45 | 1.68 | 1.60 | 1.85 | 0.97 | 1.00 | 0.99 | 1.01 |
| Hens | 1.38 | 1.89 | 2.44 | 0.71 | 2.56 | 1.03 | 1.06 | 0.92 | 1.04 |
| Raising chicks | 0.83 | 14.09 | 3.44 | 5.00 | -- | 1.35 | 1.06 | 1.11 | -- |
| <u>Fruit:</u> | | | | | | | | | |
| Apples | 2.01 | 2.55 | 2.72 | 2.33 | 2.26 | 1.23 | 1.27 | 1.15 | 1.11 |
| Sweet cherries | -- | -- | 3.26 | 2.16 | 2.47 | -- | 1.85 | 1.31 | 1.36 |
| Sour cherries | -- | 1.22 | 2.37 | 1.16 | 1.68 | 0.96 | 1.48 | 0.90 | 1.05 |
| Peaches | 1.11 | 1.08 | 1.22 | 1.24 | 1.05 | 0.84 | 0.86 | 0.91 | 0.85 |
| Grapes | -- | -- | 3.70 | 2.14 | 2.16 | -- | 1.65 | 1.21 | 1.08 |
| <u>Grain:</u> | | | | | | | | | |
| Corn | 2.25 | 1.87 | 1.39 | 1.47 | -3.79 | 1.00 | 0.95 | 0.96 | 0.66 |
| Oats | 0.37 | 0.38 | -0.38 | -0.82 | -1.67 | 0.88 | 0.83 | 0.79 | 0.79 |
| Wheat | 3.47 | 5.89 | 4.39 | 4.51 | 5.89 | 1.36 | 1.23 | 1.21 | 1.24 |
| Rye | -- | -- | -- | 4.79 | 1.61 | -- | -- | 1.25 | 0.99 |
| <u>Hay and Silage:</u> | | | | | | | | | |
| All hay | 1.37 | 2.40 | 3.56 | 3.18 | 2.78 | 1.06 | 1.19 | 1.13 | 1.08 |
| Hay crop silage | -- | -- | -- | 1.00 | 4.31 | -- | -- | 0.93 | 1.16 |
| Corn silage | -- | 0.76 | 1.79 | 1.44 | 1.31 | 0.93 | 1.01 | 0.97 | 0.97 |

Factors from 23 HEIFER Accounts, 1965
(Arranged by number of heifers)

| Farm number | Number of heifers* heifers | Net cost per heifer month** \$ | Average age at freshening months | Cost per heifer to freshening** \$ | Value per heifer at freshening \$ |
|-------------|-------------------------------|-----------------------------------|-------------------------------------|---------------------------------------|--------------------------------------|
| 408 | 272 | 9.18 | 37.1 | 389 | 306 |
| 221 | 139 | 17.82 | 26.1 | 515 | 319 |
| 386 | 138 | 11.87 | 25.1 | 349 | 334 |
| 398 | 133 | 7.12 | 30.0 | 240 | 250 |
| 449 | 133 | 10.31 | 31.9 | 364 | 275 |
| 428 | 132 | 10.02 | 34.7 | 378 | 306 |
| 420 | 123 | 13.90 | 28.1 | 467 | 321 |
| 429 | 106 | 12.94 | 27.1 | 392 | 300 |
| 331 | 96 | 13.11 | 27.3 | 408 | 300 |
| 424 | 89 | 11.38 | 26.6 | 328 | 202 |
| 450 | 89 | 8.44 | 30.8 | 295 | 319 |
| 426 | 82 | 9.84 | 28.7 | 307 | 261 |
| 309 | 80 | 9.92 | 28.5 | 303 | 316 |
| 431 | 80 | 12.92 | 27.8 | 391 | 250 |
| 375 | 76 | 7.81 | 32.5 | 294 | 250 |
| 443 | 66 | 11.41 | 25.5 | 327 | 223 |
| 324 | 65 | 13.22 | 28.0 | 395 | 290 |
| 281 | 61 | 7.71 | 28.2 | 252 | 376 |
| 438 | 61 | 14.75 | 26.2 | 411 | 280 |
| 316 | 58 | 10.31 | 28.4 | 337 | 207 |
| 455 | 42 | 8.94 | 33.2 | 318 | 239 |
| 448 | 38 | 8.36 | 30.0 | 271 | 210 |
| 200 | 34 | 8.51 | 28.0 | 263 | 238 |

Averages for 1965, by thirds, according to number of heifers, weighted by farms:

| | | | | | |
|--------|-----|-------|------|-----|-----|
| High | 147 | 11.64 | 30.0 | 387 | 301 |
| Medium | 85 | 10.49 | 28.9 | 332 | 271 |
| Low | 53 | 10.40 | 28.4 | 322 | 258 |

Annual averages, all farms, weighted by number of heifers:

| | | | | | |
|------|----|-------|------|-----|-----|
| 1965 | 95 | 10.81 | 29.6 | 359 | 287 |
| 1964 | 91 | 9.93 | 27.9 | 314 | 284 |
| 1963 | 85 | 9.86 | 27.8 | 316 | 289 |
| 1962 | 75 | 11.55 | 28.7 | 331 | 279 |

*Total number of heifers in the account during the year

**Value of by-products (manure, etc.) deducted

HEIFERS, 1965
616 mature-heifer equivalents on 23 farms*

| | |
|--|---------|
| Average per heifer raised to 27.5 months: | Dollars |
| Costs: | |
| Value of calf at birth | 39.02 |
| Milk and milk-substitute | 13.34 |
| 1,253 pounds of grain at \$3.18 per hundredweight | 39.85 |
| 2.7 tons of hay at \$26.63 per ton | 71.91 |
| 0.1 ton of hay crop silage at \$13.70 per ton | 1.37 |
| 3.6 tons of silage at \$8.49 per ton | 30.58 |
| Pasture and fences | 21.81 |
| Bedding | 6.99 |
| Total feed and bedding | 185.85 |
| 24 hours of labor at \$1.85 per hour | 44.34 |
| Equipment and power | 7.91 |
| Buildings | 20.24 |
| Breeding fees | 4.15 |
| Veterinarian and medicine | 1.11 |
| Insurance | 1.26 |
| Registration and transfers | 1.43 |
| Lights and water | 3.58 |
| Interest | 20.76 |
| All other | 11.83 |
| Total other than calf, feed, bedding and labor | 72.27 |
| Total cost | 341.48 |
| By-products: | |
| 4.9 tons of manure | 4.70 |
| Other returns | 0.36 |
| Net cost of raising a heifer to 27.5 months of age | 336.42 |

*There were a total of 2,193 heifers of all ages on these farms for a part or all of the year. They were fed a total of 16,940 heifer-months, which, divided by 27.5, equal 616 mature-heifer equivalents.

Factors from 25 DAIRY COW Accounts, 1965
(Arranged by number of cows)

| Farm number | Size of herd cows | Milk per cow cwt. | Milk test % | Labor per cow hours | Grain pounds | Hay tons | Hay crop silage tons | Silage tons | Cost of feed and bedding per cow \$ | Value per cow \$ |
|----------------|----------------------------|----------------------------|-------------------|------------------------------|-----------------|-------------|-------------------------------|----------------|---|---------------------------|
| 398 | 194.3 | 118 | 3.4 | 63 | 4,326 | 2.4 | 0.7 | 7.8 | 289 | 271 |
| 391 | 154.2 | 130 | 3.4 | 45 | 5,936 | 2.3 | 1.3 | 6.9 | 327 | 270 |
| 386 | 146.2 | 129 | 3.6 | 37 | 6,799 | | 2.9 | 10.1 | 326 | 327 |
| 420 | 113.6 | 131 | 3.5 | 46 | 5,864 | 1.7 | | 9.9 | 316 | 362 |
| 221 | 113.3 | 148 | 3.5 | 66 | 6,925 | 1.2 | 0.6 | 8.8 | 292 | 319 |
| 424 | 107.0 | 142 | 3.6 | 59 | 5,552 | 0.7 | 3.7 | 12.7 | 339 | 253 |
| 429 | 104.2 | 154 | 3.6 | 52 | 5,821 | 2.4 | | 9.4 | 404 | 325 |
| 434 | 99.5 | 116 | 3.8 | 26 | 4,077 | | | 13.7 | 298 | 270 |
| 449 | 87.5 | 119 | 3.5 | 74 | 3,827 | 2.0 | | 11.9 | 324 | 288 |
| 331 | 82.1 | 132 | 3.6 | 86 | 4,558 | 2.5 | 0.4 | 10.9 | 313 | 302 |
| 428 | 79.8 | 152 | 3.5 | 79 | 6,297 | 2.6 | 5.8 | 9.6 | 381 | 284 |
| 426 | 73.0 | 128 | 3.6 | 70 | 4,071 | 1.8 | | 9.1 | 325 | 234 |
| 450 | 72.1 | 137 | 3.6 | 84 | 5,271 | 2.8 | | 4.6 | 346 | 318 |
| 188 | 70.6 | 130 | 3.7 | 86 | 4,563 | 2.8 | | 10.0 | 350 | 311 |
| 443 | 68.6 | 97 | 4.9 | 44 | 4,285 | 1.4 | | 11.7 | 275 | 203 |
| 431 | 68.2 | 148 | 3.5 | 68 | 7,071 | 2.2 | | 6.6 | 374 | 250 |
| 309 | 68.0 | 138 | 3.6 | 84 | 4,431 | 3.6 | | 6.3 | 261 | 386 |
| 281 | 67.9 | 135 | 3.4 | 79 | 7,219 | 1.9 | | 4.3 | 341 | 367 |
| 375 | 66.4 | 159 | 3.4 | 47 | 6,344 | 1.9 | | 7.7 | 378 | 266 |
| 438 | 55.5 | 126 | 3.4 | 83 | 3,743 | 2.3 | 1.2 | 15.5 | 308 | 282 |
| 324 | 52.2 | 117 | 3.7 | 55 | 5,057 | 0.2 | 2.9 | 21.6 | 368 | 324 |
| 200 | 49.5 | 110 | 3.6 | 100 | 3,529 | 1.9 | | 7.1 | 282 | 272 |
| 448 | 36.5 | 120 | 3.6 | 97 | 3,845 | 2.4 | | 14.0 | 271 | 229 |
| 455 | 34.5 | 137 | 3.6 | 68 | 4,451 | 2.6 | 1.7 | 8.9 | 320 | 250 |
| 316 | 34.2 | 89 | 4.9 | 89 | 3,830 | 1.9 | | 7.1 | 298 | 273 |

Averages for 1965, by thirds according to number of cows, weighted by farms:

| | | | | | | | | | | |
|--------|-------|-----|-----|----|-------|-----|-----|------|-----|-----|
| High | 129.0 | 134 | 3.6 | 49 | 5,662 | 1.3 | 1.2 | 9.9 | 324 | 300 |
| Medium | 74.4 | 131 | 3.7 | 75 | 4,930 | 2.4 | 0.7 | 9.0 | 328 | 286 |
| Low | 49.6 | 124 | 3.7 | 77 | 4,752 | 1.9 | 0.7 | 10.8 | 321 | 283 |

Annual averages, all farms, weighted by number of cows:

| | | | | | | | | | | |
|------|------|-----|-----|----|-------|-----|-----|-----|-----|-----|
| 1965 | 84.0 | 131 | 3.7 | 63 | 5,277 | 1.8 | 0.9 | 9.6 | 324 | 294 |
| 1964 | 75.1 | 128 | 3.7 | 64 | 4,762 | 2.4 | 0.5 | 8.5 | 312 | 289 |
| 1963 | 69.6 | 128 | 3.7 | 70 | 4,777 | 2.7 | | 7.7 | 302 | 285 |
| 1962 | 62.7 | 124 | 3.6 | 76 | 4,528 | 2.6 | | 7.9 | 293 | 290 |
| 1961 | 59.1 | 122 | 3.6 | 79 | 4,284 | 2.6 | | 6.9 | 265 | 294 |

Factors from 25 DAIRY COW Accounts, 1965
(Read across both pages)

| Depre- ciation per cow | Average per 100 pounds of milk | | Average per cow | | Labor return | | Return per dollar of cost | Profit on enter- prise | Farm number |
|------------------------------|--------------------------------------|-------|--------------------|---------|-----------------|-------------|------------------------------------|---------------------------------|----------------|
| | Cost | Value | Cost | Returns | Per cow | Per hour | | | |
| \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | |
| 29 | 4.23 | 4.18 | 536 | 529 | 101 | 1.59 | 0.99 | -1,291 | 398 |
| 51 | 5.02 | 4.56 | 670 | 610 | 37 | 0.83 | 0.91 | -9,275 | 391 |
| 40 | 4.67 | 4.60 | 644 | 634 | 65 | 1.74 | 0.98 | -1,433 | 386 |
| 37 | 3.96 | 4.35 | 576 | 626 | 150 | 3.24 | 1.09 | 5,721 | 420 |
| 37 | 4.77 | 4.42 | 731 | 679 | 105 | 1.58 | 0.93 | -5,889 | 221 |
| 19 | 3.70 | 4.26 | 556 | 636 | 171 | 2.90 | 1.14 | 8,579 | 424 |
| 17 | 4.72 | 5.10 | 762 | 820 | 151 | 2.89 | 1.08 | 5,998 | 429 |
| 24 | 4.10 | 4.46 | 484 | 526 | 108 | 4.17 | 1.09 | 4,177 | 434 |
| 17 | 4.91 | 5.17 | 616 | 647 | 129 | 1.75 | 1.05 | 2,691 | 449 |
| 46 | 4.40 | 4.61 | 619 | 647 | 154 | 1.79 | 1.04 | 2,269 | 331 |
| 61 | 4.39 | 4.54 | 695 | 717 | 134 | 1.70 | 1.03 | 1,784 | 428 |
| 24 | 4.55 | 4.16 | 602 | 552 | 63 | 0.91 | 0.92 | -3,656 | 426 |
| 34 | 5.33 | 5.52 | 764 | 790 | 208 | 2.46 | 1.03 | 1,872 | 450 |
| 6 | 4.48 | 4.38 | 613 | 600 | 107 | 1.24 | 0.98 | -939 | 188 |
| 22 | 5.00 | 5.22 | 505 | 527 | 113 | 2.56 | 1.04 | 1,511 | 443 |
| 25 | 4.68 | 4.98 | 714 | 759 | 166 | 2.45 | 1.06 | 3,084 | 431 |
| 2 | 3.55 | 4.42 | 521 | 641 | 260 | 3.08 | 1.23 | 8,194 | 309 |
| 27 | 4.63 | 4.39 | 650 | 617 | 94 | 1.20 | 0.95 | -2,248 | 281 |
| 17 | 4.31 | 4.90 | 713 | 807 | 190 | 4.05 | 1.13 | 6,227 | 375 |
| 52 | 4.98 | 4.52 | 661 | 604 | 100 | 1.20 | 0.91 | -3,173 | 438 |
| 35 | 5.31 | 4.42 | 637 | 532 | -15 | -0.27 | 0.83 | -5,499 | 324 |
| 37 | 5.13 | 4.37 | 591 | 507 | 63 | 0.63 | 0.86 | -4,134 | 200 |
| 5 | 5.02 | 4.38 | 649 | 572 | 99 | 1.02 | 0.88 | -2,793 | 448 |
| 26 | 4.37 | 4.24 | 618 | 601 | 122 | 1.80 | 0.97 | -586 | 455 |
| 25 | 6.17 | 5.10 | 586 | 490 | 56 | 0.63 | 0.84 | -3,280 | 316 |

Averages for 1965, by thirds according to number of cows, weighted by farms:

| | | | | | | | | | |
|----|------|------|-----|-----|-----|------|------|--------|--------|
| 32 | 4.40 | 4.49 | 620 | 633 | 111 | 2.37 | 1.03 | 823 | High |
| 26 | 4.59 | 4.78 | 627 | 653 | 148 | 1.99 | 1.04 | 1,868 | Medium |
| 28 | 4.99 | 4.54 | 638 | 591 | 89 | 1.28 | 0.92 | -1,936 | Low |

Annual averages, all farms, weighted by number of cows:

| | | | | | | | | | |
|----|------|------|-----|-----|-----|------|------|-------|------|
| 30 | 4.56 | 4.58 | 626 | 630 | 116 | 1.85 | 1.01 | 316 | 1965 |
| 36 | 4.56 | 4.49 | 611 | 602 | 102 | 1.60 | 0.99 | -675 | 1964 |
| 31 | 4.36 | 4.37 | 590 | 592 | 118 | 1.68 | 1.00 | 110 | 1963 |
| 33 | 4.48 | 4.35 | 589 | 573 | 110 | 1.45 | 0.97 | -979 | 1962 |
| 28 | 4.30 | 4.54 | 559 | 587 | 153 | 1.93 | 1.05 | 1,682 | 1961 |

DAIRY COWS, 1965
2,099 cows on 25 farms

Average per cow:

Dollars

Costs:

| | |
|---|------------|
| 5,277 pounds of grain at \$61.72 per ton ----- | 162.86 |
| 1.8 tons of hay at \$28.54 per ton ----- | 51.37 |
| 0.9 ton of hay crop silage at \$14.74 per ton ----- | 13.27 |
| 9.6 tons of silage at \$8.74 per ton ----- | 83.91 |
| Bedding ----- | 4.71 |
| Pasture and fences ----- | 8.25 |
| Total feed and bedding ----- | 324.37 |
| 63 hours of labor at \$1.78 per hour ----- | 112.24 |
| Depreciation ----- | 30.22 |
| Automobile, truck, tractor ----- | 6.12 |
| Dairy equipment ----- | 25.66 |
| Interest on \$294 value of cow ----- | 17.94 |
| Buildings ----- | 29.26 |
| Breeding costs ----- | 6.15 |
| Veterinarian, medicine, disinfectants ----- | 10.97 |
| Hired milk-hauling ----- | 23.69 |
| DHIA ----- | 4.86 |
| Insurance ----- | 1.39 |
| Registration and transfer fees ----- | 0.52 |
| Light, water, power ----- | 9.07 |
| Supplies ----- | 5.47 |
| All other ----- | 18.08 |
| Total other than feed, bedding, labor and depreciation ----- | 159.18 |
| Total cost ----- | 626.01 |

Returns:

| | |
|---------------------------------------|------------|
| 12,929 pounds of milk sold ----- | 592.68 |
| 159 pounds of milk used on farm ----- | 7.27 |
| Calves ----- | 21.49 |
| 10.8 tons of manure ----- | 8.10 |
| Other returns ----- | 0.24 |
| Total returns ----- | 629.78 |

Gain ----- 3.77

| | |
|--|------|
| Cost of producing 100 pounds of milk ----- | 4.56 |
| Value of 100 pounds of milk ----- | 4.58 |
| Return per hour of labor ----- | 1.85 |
| Return per dollar of cost ----- | 1.01 |

HENS, 1965
77,264 birds on 5 farms

| | |
|---|---------|
| Average per bird: | Dollars |
| Costs: | |
| 92 pounds of feed at \$3.67 per hundredweight | 3.38 |
| 0.4 hour of labor at \$2.05 per hour | 0.82 |
| Depreciation | 0.99 |
| Interest | 0.06 |
| Power and equipment | 0.17 |
| Buildings | 0.29 |
| Litter | 0.01 |
| Electricity | 0.05 |
| All other | 0.15 |
| Total other than feed, labor and depreciation.. | 0.73 |
| Total cost..... | 5.92 |
| Returns: | |
| 208 eggs per hen | 6.16 |
| Other returns | 0.01 |
| Total returns | 6.17 |
| Net gain | 0.25 |

| | |
|--------------------------------------|------|
| Cost of producing a dozen eggs | 0.34 |
| Value per dozen eggs | 0.35 |
| Labor return per bird | 1.07 |
| Return per hour of labor | 2.56 |
| Return per dollar of cost..... | 1.04 |

Factors from 5 HEN Accounts, 1965
(Arranged by number of birds)

| Farm number | Size of flock <u>birds</u> | Eggs per hen <u>eggs</u> | Mortality <u>percent</u> | Average per bird | | Per dozen eggs | |
|----------------|-------------------------------------|-----------------------------------|---------------------------------|-----------------------|-----------------------|-------------------|-------------------|
| | | | | Labor <u>hours</u> | Feed <u>pounds</u> | Cost <u>¢</u> | Value <u>¢</u> |
| 375 | 45,715 | 212 | 14 | 0.28 | 92 | 32 | 34 |
| 439 | 10,947 | 196 | 19 | 0.39 | 88 | 38 | 37 |
| 444 | 10,011 | 209 | 24 | 0.92 | 98 | 38 | 38 |
| 443 | 6,200 | 211 | 12 | 0.61 | 86 | 36 | 38 |
| 324 | 4,391 | 197 | 15 | 0.51 | 97 | 38 | 39 |

Annual averages, all farms, weighted by number of birds:

| | | | | | | | |
|------|--------|-----|----|------|----|----|----|
| 1965 | 15,453 | 208 | 16 | 0.42 | 92 | 34 | 35 |
| 1964 | 10,729 | 201 | 18 | 0.46 | 89 | 37 | 34 |
| 1963 | 10,628 | 201 | 19 | 0.48 | 86 | 34 | 36 |
| 1962 | 11,078 | 205 | 17 | 0.56 | 89 | 35 | 36 |
| 1961 | 7,327 | 222 | 16 | 0.63 | 98 | 36 | 38 |

Factors from 5 HEN Accounts, 1965
(Read across both pages)

| Cost all feed | Average per bird | | | | Return per hour of labor | Return per dollar of cost | Profit on enter- prise | Farm number |
|---------------------|-------------------|---------------|------------------|-----------------|--------------------------------|------------------------------------|---------------------------------|----------------|
| | Depre- ciation | Total cost | Total returns | Labor Return | | | | |
| \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | |
| 3.40 | 1.00 | 5.60 | 5.98 | 0.96 | 3.42 | 1.07 | 17,582 | 375 |
| 3.39 | 1.01 | 6.17 | 5.98 | 0.70 | 1.78 | 0.97 | -2,045 | 439 |
| 3.35 | 0.88 | 6.71 | 6.75 | 1.66 | 1.80 | 1.01 | 367 | 444 |
| 3.09 | 0.90 | 6.34 | 6.72 | 1.63 | 2.70 | 1.06 | 2,385 | 443 |
| 3.70 | 1.20 | 6.30 | 6.47 | 1.02 | 1.99 | 1.03 | 753 | 324 |

Annual averages, all farms, weighted by number of birds:

| | | | | | | | | |
|------|------|------|------|------|------|------|--------|------|
| 3.38 | 0.99 | 5.92 | 6.17 | 1.07 | 2.56 | 1.04 | 3,808 | 1965 |
| 3.30 | 1.27 | 6.14 | 5.66 | 0.33 | 0.71 | 0.92 | -5,167 | 1964 |
| 3.13 | 1.02 | 5.70 | 6.03 | 1.17 | 2.44 | 1.06 | 3,519 | 1963 |
| 3.17 | 1.03 | 5.90 | 6.08 | 1.05 | 1.89 | 1.03 | 1,945 | 1962 |
| 3.54 | 1.24 | 6.61 | 6.94 | 1.39 | 2.21 | 1.05 | 2,390 | 1961 |

Factors from 4 CHICK Accounts, 1965
(Arranged by number of chicks started)

| Farm number | Number started | Mortal- ity | Average per 100 chicks started | | Value per chick started | Average per mature equivalent | | Return per hour of labor | Return per dollar of cost | Profit on enter- prise |
|----------------|-------------------|----------------|--------------------------------------|-------|----------------------------------|-------------------------------------|-------|-----------------------------------|------------------------------------|---------------------------------|
| | | | Feed | Labor | | Cost | Value | | | |
| | number | % | pounds | hours | ¢ | \$ | \$ | \$ | \$ | \$ |
| 375 | 18,000 | 2 | 1,790 | 3 | 31 | 1.30 | 1.60 | 12.81 | 1.24 | 5,380 |
| 375 | 17,700 | - | 1,856 | 4 | 32 | 1.35 | 1.60 | 7.93 | 1.19 | 4,463 |
| 444 | 2,633 | 18 | 1,445 | 5 | 34 | 1.73 | 1.75 | 2.02 | 1.01 | 33 |
| 444 | 2,500 | 27 | 1,268 | 7 | 36 | 1.94 | 1.75 | -0.10 | 0.90 | -337 |